

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 7

ATTY. DOCKET NO.

HA719f

APPLICATION NO. 10/673,100

herewith

APPLICANT

MURUGESAN ET AL.

FILING DATE

herewith 9/26/03

Group

1624

JC714 U.S. PTO
09/23/201

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
VR	AA	5,256,654	10/26/93	Ellinboe et al.			
	AB	5,250,548	10/5/93	Winn et al.			
	AC	5,147,040	10/20/92	Greenlee et al.			
	AD	5,196,444	3/23/93	Naka et al.			
	AE	5,198,439	3/30/93	Roberts et al.			
	AF	5,210,079	5/11/93	Carini et al.			
	AG	5,210,206	5/11/93	Morton et al.			
	AH	5,223,499	6/29/93	Greenlee et al.			
	AI	5,157,026	10/20/92	Chakravarty et al.			
	AJ	5,270,317	12/14/93	Bernhart et al.			
	AK	5,284,954	2/8/94	Wittenberger et al.			
	AL	5,130,318	7/14/92	Roberts et al.			

FOREIGN PATENT DOCUMENTS

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VR	AM	DE19738578A1	3/11/99	German			<input type="checkbox"/>	<input type="checkbox"/>
	AN	DE19742717A1	4/1/99	German			<input type="checkbox"/>	<input type="checkbox"/>
	AO	EP0443983B1	8/28/91	Europe			<input type="checkbox"/>	<input type="checkbox"/>
	AP	EP0454511B1	10/30/91	Europe			<input type="checkbox"/>	<input type="checkbox"/>
	AQ	0634175A1	1/18/95	Europe			<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VR	AR	Murugesan et al., J. Med. Chem., (1998), 41, pp. 5198 - 5218
	AS	Chan et al., Bioorganic & Medicinal Chemistry 6 (1998), pp. 2301 - 2316
	AT	Dascal et al., FEBS Letters 423 (1998) pp. 15 -18.

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DATE CONSIDERED

7/6/04

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
VR	AA	5,138,069	8/11/92	Carini et al.			
	AB	5,149,699	9/12/92	Ellingboe et al.			
	AC	5,153,197	10/6/92	Carini et al.			
	AD	5,155,117	10/13/92	Reitz			
	AE	5,155,118	10/13/92	Carini et al.			
	AF	6,080,774	6/27/00	Murugesan et al.			
	AG	5,102,880	4/7/92	Chakravarty et al.			
	AH	5,126,342	6/30/92	Chakravarty et al.			
	AI	5,128,355	7/7/92	Carini et al.			
	AJ	5,674,883	10/7/97	Fortin et al.			
	AK	5,696,116	12/9/97	Clozel et al.			
	AL	5,290,780	3/1/94	Venkatesan et al.			

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VR	AM	EP0539086B1	4/28/93	Europe			<input type="checkbox"/>	<input type="checkbox"/>
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	AO	EP0324377B1	7/19/89	Europe			<input type="checkbox"/>	<input type="checkbox"/>
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	AQ	0453210A2	10/23/91	Europe			<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VR	AR	Morlock et al., Bioorganic & Medicinal Chemistry Letters, Vol. 7., No. 11, pp. 1399 - 1402 (1997)
VR	AS	Chan et al., Bioorganic & Medicinal Chemistry Letters, Vol. 6, No. 20, pp. 2393 - 2398 (1996)
VR	AT	Walsh et al. Bioorganic & Medicinal Chemistry Letters, Vol. 5, No. 11, pp. 1155 - 1158 (1995)
EXAMINER		DATE CONSIDERED

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
VR	AA	5,328,919	7/12/94	Naka et al.			
	AB	5,399,566	3/21/95	Katano et al.			
	AC	5,352,788	10/4/94	Bernhart et al.			
	AD	5,399,578	3/21/95	Buhlmayer et al.			
	AE	5,401,764	3/28/95	Naka et al.			
	AF	5,405,849	4/11/95	Venkatesan et al.			
	AG	5,409,947	4/25/95	Tomiyama et al.			
	AH	5,424,450	6/13/95	Boswell et al.			
	AI	5,444,071	8/22/95	Roberts et al.			
	AJ	5,498,776	3/12/96	Ellingboe et al.			
	AK	5,512,681	4/30/96	Boswell et al.			
	AL	5,514,696	5/7/96	Murugesan et al.			

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	AQ	EP0475206A2	3/18/92	Europe			<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VR	AR	Ashton et al., J. Med. Chem. (1994), 37, pp. 2808 - 2824
VR	AS	Wexler et al., Journal of Medicinal Chemistry, Vol. 39, 3, (1996) pp. 625 - 656
VR	AT	Webb et al, Medicinal Research Reviews, Vol. 17, No. 1, pp. 17 - 67 (1997)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
✓	AA	5,559,233	9/24/96	Bernhart et al.			
	AB	5,563,139	10/8/96	Reitz			
	AC	5,612,359	3/18/97	Murugesan			
	AD	5,668,137	9/16/97	Philips et al.			
	AE	5,703,110	12/30/97	Naka et al.			
	AF	5,705,517	1/6/98	Naka et al.			
	AG	5,760,038	6/2/98	Murugesan et al.			
	AH	5,780,473	7/14/98	Murugesan et al.			
	AI	5,846,985	12/8/98	Murugesan			
	AJ	5,965,732	10/12/99	Hunt			
	AK	5,668,137	9/16/97	Phillips et al.			
✓	AL	5,856,507	1/5/99	Polniaszek et al.			

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	AO	WO94/27979	12/8/94	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AP	WO97/33886	9/18/97	PCT			<input type="checkbox"/>	<input type="checkbox"/>
✓	AQ	WO94/07872	4/14/94	PCT			<input type="checkbox"/>	<input type="checkbox"/>

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
UR	AA	5,861,401	1/19/99	Bradbury			
	AB	5,939,446	8/17/99	Murugesan et al.			
	AC	5,962,491	10/5/99	Naka et al.			
	AD	5,965,592	10/12/99	Buhlmayer et al.			
	AE	6,004,989	12/21/99	Naka et al.			
	AF	6,043,265	3/28/00	Murugesan et al.			
	AG	5,602,153	2/11/97	Reitz			
	AH	5,571,821	11/6/96	Chan et al.			
	AI	5,332,744	7/26/94	Chakravarty et al.			
	AJ	5,354,867	10/11/94	Carini et al.			
	AK	5,411,980	5/2/95	Aston et al.			
	AL	5,846,990	12/8/98	Murugesan			

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	AP	WO95/26957	10/12/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AQ	WO93/04046	3/4/93	PCT			<input type="checkbox"/>	<input type="checkbox"/>

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
HA7191
APPLICATION NO.
~~herewith~~
APPLICANT
MURUGESAN ET AL
FILING DATE
~~herewith~~

Sheet 7 of 7

10/673,100

9/26/03 Group 1624

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
DA	AA	5,378,715	1/3/95	Stein et al.			
	AB	5,827,869	10/27/98	Murugesan			
	AC	5,916,907	6/29/99	Bird			
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DATE CONSIDERED

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Sheet 1 of 1

FORM PTO-1449
(REV. 7-85)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOC NO.

HA7191 CIP

APPLICATION NO.

10/673,100

00737,201

APPLICANT

MURUGESAN ET AL.

FILING DATE

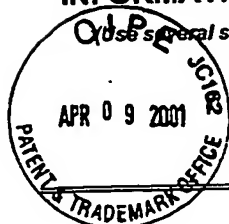
DECEMBER 14, 2000

9/26/03

Group 1624

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

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FORM PTO-1449
(REV. 7-85)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DC ET NO.
HA7191 CIP
APPLICATION NO.
68727,204
APPLICANT
MURUGESAN ET AL.
FILING DATE
DECEMBER 14, 2000

Sheet 1 of 1

10/673,100

TECH CENT. Group 1624
9/26/03



U.S. PATENT DOCUMENTS

INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
VR	AA	5,260,328	11/9/93	Doria et al.			
VR	AB	5,554,625	9/10/96	Rivero et al			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

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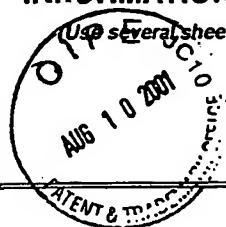
DATE CONSIDERED

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ATTY. D. ET NO.

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DECEMBER 14, 2000

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Group 1624

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>VR</i>	AA	4,880,804	11/14/89	Carini et al.			
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

<i>VR</i>	AP	Larsen et al, "Efficient Synthesis of Losartan, a Nonpeptide Angiotensin II Receptor Antagonist," Jnl of Org Chem., vol.59, no.21, 1994, pp 6391-6394
<i>VR</i>	AQ	Rivero et al., "L-162, 389; a potent orally active angiotensin II receptor antagonist with balanced affinity to both AT1 and AT2 receptor subtypes," Biorg & Med Chem Ltrs., vol. 6 no. 3, 1996, pp 307-310
<i>VR</i>	AR	Weidmann, et al., "2-(2-Pyridylmethyl) sulfinyl]-1H-thien[3,4-d]imidazoles. A Novel Class of gastric H+/K+ ATPase Inhibitors", J. Med. Chem., vol 35, no.3, 1992 pp 438-450
<i>VR</i>	AS	Quan, et al., "Balanced AT1/AT2 Receptor Antagonists. 4.1,2 XR510 and Related 5-(3-Amidopropanoyl)imidazoles Possessing Equal Affinity for the AT1 and AT2 Receptors", J. Med. Chem., vol 38, no. 15, 1995, pp 2938-2945

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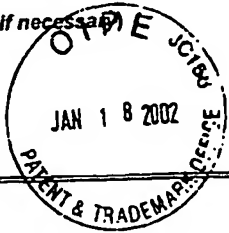
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FORM PTO-1449
(REV. 7-85)

U.S. DEPT. OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

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ATTY. DOC. NO.
HA7197 CIP
APPLICATION NO.
~~00727,001~~ 10/673,100
APPLICANT
MURUGESAN ET AL.
FILING DATE
~~DECEMBER 14, 2000~~ 9/26/03

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Group 1624

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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VR	AB	US5,371,226	12/6/94	Mederski			
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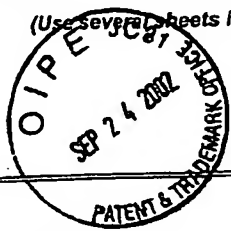
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Sheet 1 of 1

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U.S. PATENT DOCUMENTS

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	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
* <i>VR</i>	AM	RU 96104545	10/6/98	RUSSIA			<input type="checkbox"/>	<input type="checkbox"/>
* <i>VR</i>	AN	RU 93004661	6/19/95	RUSSIA			<input type="checkbox"/>	<input type="checkbox"/>
* <i>VR</i>	AO	RU 96115359	10/12/98	RUSSIA			<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

Dupaklegz B.

DATE CONSIDERED

12/1/02 9/6/04

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

* English equivalents considered.